Docket No. BIO-83

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

pplicants : Ben-Haim, Shlomo

Serial No.: 09/273,646 Art Unit: 3737

Filed: March 23, 1999 Examiner: Ruth S. Smith

For : MEDICAL DIAGNOSIS TREATMENT AND IMAGING SYSTEMS

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence and all attachments are being facsimile transmitted to the United States Patent and Trademark Office, Office of Petitions, on the date shown below:

March 9, 2004

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#### INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

Applicant(s) reserve(s) the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

In accordance with §1.97(b), since this Information 冈 Disclosure Statement is being filed either within three months of the filing date of the above-identified national application (other than a continued prosecution application under §1.53(d)), within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, no additional fee is required. In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with [ ] the first or second After Final Submission, therefore: Statement in Accordance with §1.97(e) (attached); or Please charge Deposit Account No. 10-П the fee of \$180.00 as set forth in §1.17(p). In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or an action that otherwise closes prosecution and that it is accompanied by one of: Statement in Accordance with §1.97(e)

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attached Form PTO-1449 are enclosed herewith.
Copies of references listed on the attached Form PTO-
1449 are enclosed herewith EXCEPT THAT:
In view of the voluminous nature of references
[list as appropriate], and the likelihood that
these references are available to the Examiner,
copies are not enclosed herewith.
available to the Examiner, Applicant will
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Copies of only foreign patent documents and non-
patent literature are enclosed in accordance with 37 CFR 1.98
(a)(2). (The U.S. patents and each U.S. patent application
publication listed on the attached Form PTO-1449 are not
enclosed because this U.S. patent application was filed after
June 30, 2003 or this international application has entered the

	national stage under 35 USC §371 after June 30, 2003 (see USPTO waiver of requirement under 37 CFR 1.98 (a)(2)(i).
	There are no listed references which are not in the English language.
	The relevance of those listed references which are not in the English language is as follows: Hindricks, et al., PERKUTANE ENDOCARDIALE Nd-YAG LASERAPPLIKATION: EXPERIMENTELLE UNTERSUCHUNGEN ZUR ABLATION VENTRICULAREN MYOKARDS, Zeltschift fur Kardiologie, Pgs. 763-780, 1991 (See English Abstract).
	Attached are copies of search report(s) from corresponding patent application(s), which are listed on the attached Submission Under MPEP 609 D.
	Attached are the following non-published pending patent applications which may be deemed relevant, which are listed on the attached Submission Under MPEP 609 D.
	Please charge any deficiency or credit any overpayment to Deposit Account No. 10-0750/BIO-83/LJC. This form is submitted in triplicate.
·	Respectfully submitted,  Louis J. Capezzute  Reg. No. 37,107  Attorney for Applicants
	Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003 (732) 524-2218 DATED: March 9, 2004

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)
Sheet 1 of 10

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Application Number	09/273,646				
Filing Date	March 23, 1999				
First Named Inventor	Ben-Haim, Shlomo				
Group Art Unit	3737				
Examiner Name	Ruth S. Smith				
Attorney Docket Number	BIO-83				

		U.S. Patent Do	cument				
Examiner Initials		Cite No.1	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		4,438,765		Wilinsky, Jack	03/27/1984		
		4,512,762	·	Spears, James R.	04/23/1985		
		4,597,380		Raif et al.	07/01/1986		
		4,641,650		Mok, Walter Y. W.	02/10/1987		
		4,658,817		Hardy, Roger I.	04/21/1987		
		4,682,594		Mok, Walter Y. W.	07/28/1987	Dr.	
		4,686,979		Gruen et al.	08/18/1987	"ECFILE	
		4,785,815		Cohen, Donald	11/22/1988	MAR 16 2004	
		4,788,975		Shturman et al.	12/06/1988 TECHA	2004	
		4,817,111		Nilsen et al.	03/28/1989	OLOGY CENT	
		4,860,743		Abela, George S.	08/29/1989	OLOGY CENTER R3700	
		4,862,886		Clarke et al.	09/05/1989		
		4,862,887		Weber et al.	09/05/1989		

#### FOREIGN PATENT DOCUMENTS

			Foreign	Patent Docume	ent	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
Examiner Initials	Cite No.1	Office <sup>3</sup>	Number⁴ K	indCode <sup>5</sup>	Applicant of Cited Document	mm-dd-yyyy passages or relevant figures appear		T <sup>6</sup>	
	•	wo	94/06349	A1	Encocardial Therapeutics, Inc.	03/31/1994		!	
	٠	wo	94/04938	A1	British Telecommunications Public Ltd. Co.	03/03/1994			
		wo	95/07657	A1	Cardiac Pathways Corporation	03/23/1995			
		wo	96/35469	A1	Cardiogenesis Corporation	11/14/1996			
		wo	97/25101	A2	Biosense, Inc.	07/17/1997			
	-	wo	97/29803	A1	Cormedica	08/21/1997			

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- 1	Examiner	Date
- 1	Signature	Considered

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.



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Attorney Docket Number	BIO-83			

		U.S. Patent Document		B. (B.)
Examiner Initials	Cite No. <sup>1</sup>	Kind Co Number (if kno	of Cited Document	Date of Publication of Cited Document mm-dd-yyyy Pages, Columns, Lines, where relevant passages or relevant figures appear
		4,891,818	Levatter, Jeffrey I.	01/02/1990
		4,927,231	Levatter, Jeffrey I.	05/22/1990
		4,993,412	Murphy-Chutorian, Douglas R.	02/19/1991
		5,015,067	Levatter, Jeffrey I.	05/14/1991
		5,041,108	Fox et al.	08/20/1991
		5,044,717	Levatter, Jeffrey I.	09/03/1991
		5,062,842	Tiffany, William B.	11/05/1991
		5,066,292	Muller et al.	11/19/1991
		5,093,877	Aita et al.	03/03/1992
		5,106,386	Isner et al.	04/21/1992
		5,109,388	Rudko, Robert I.	04/28/1992
		5,111,832	Saksena, Sanjeev	05/121992
		5,114,403	Clarke et al.	05/121992 05/19/1992 06/30/1992 06/30/1992 TECHNOLO
		5,125,924	Rudko, Robert I.	06/30/1992 MAR
		5,125,926	Rudko et al.	06/30/1992
		5,177,760	Kuch, Joseph	01/05/1993 COANOLOGY COA
		5,200,604	Rudko et al.	06/30/1992 TECHNOLOGY CENTER #3: 80
		5,219,347	Negus et al.	06/15/1993
		5,251,612	Negus, Charles C.	10/12/1993
		5,281,212	Savage et al.	01/25/1994
		5,290,277	Vercimak et al.	03/01/1994

The state of the s	
Examiner	Date
Signature	Considered

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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First Named Inventor	Ben-Haim, Shlomo				
Group Art Unit	3737				
Examiner Name	Ruth S. Smith				
Attorney Docket Number	BIO-83				
	1				

U.S. PATENT DOCUMENTS						
		U.S. Patent Document			Date of Publication	Pages, Columns, Lines,
Examiner Initials	Cite No. <sup>1</sup>	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document mm-dd-yyyy	where relevant passages or relevant figures appear
		5,336,218		Linhares, Stephen J.	08/091994	
		5,380,316		Aita et al.	01/10/1995	
		5,389,096		Aita et al.	02/14/1995	
		5,391,199		Ben-Haim	02/21/1995	
		5,403,356		Hill et al.	04/04/1995	
		5,411,502		Zair, Eliezer	05/02/1995	CFIVE-
		5,423,805		Brucker et al.	06/12/1995 <b>MAR</b>	
		5,433,198		Desai, Jawahar M.	07/18/1995	1 6 2004
		5,449,354		Konwitz et al.	09/12/1995 OG	YCHA
		5,465,717		Imran et al.	11/14/1995	Y CENTER HISTOR
		5,471,982		Edwards et al.	12/05/1995	
		5,480,422		Ben-Haim, Shlomo	01/02/1996	

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Examiner	Date	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.



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Sheet 4 of 10

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Application Number	09/273,646
Filing Date	March 23, 1999
First Named Inventor	Ben-Haim, Shlomo
Group Art Unit	3737
Examiner Name	Ruth S. Smith
Attorney Docket Number	BIO-83
	1

			U.S. PATENT DOCUMENTS		
	U.S. Patent Doo	ument		Date of Publication	Pages, Columns, Lines,
Cite No. <sup>1</sup>	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document mm-dd-yyyy	where relevant passages or relevant figures appear
	5,487,391		Panescu	01/30/1996	
	5,500,012		Brucker et al.	03/19/1996	
	5,505,725		Samson, Gene	04/09/1996	
	5,509,822		Negus et al.	04/23/1996	
	5,554,152		Aita et al.	09/10/1996	
	5,558,073		Pomeranz et al.	0924 /1996	
	5,558,668		Lankford et al.	09/24/1996	
	5,591,159		Taheri, Syde A.	01/07/1997	
	5,591,161		Negus et al.	01/07/1997	RECEIVED MAR 1 6 2004
	5,722,934		Knight et al.	03/03/1998	MAD +
	5,769,843		Abela et al.	06/23/1998	<sup>1</sup> 6 2004
	5,807,384		Mueller, Richard L.	09/15/1998 IECHN	DLOGY CENTER 13700
	5,807,388		Jeevanandam et al.	09/15/1998	ENTER 13700
	5,810,836		Hussein et al.	09/22/1998	
	5,827,203		Nita, Henry	10/27/1998	
	5,830,222		Makower, Joshua	11/03/1998	
	5,840,075		Mueller et al.	11/24/1998	
		Cite No.1 Number  5,487,391  5,500,012  5,505,725  5,509,822  5,554,152  5,558,073  5,558,668  5,591,159  5,591,161  5,722,934  5,769,843  5,807,384  5,807,388  5,810,836  5,827,203  5,830,222	No.1 Number (if known)  5,487,391  5,500,012  5,505,725  5,509,822  5,554,152  5,558,073  5,558,668  5,591,159  5,591,161  5,722,934  5,769,843  5,807,384  5,807,384  5,807,388  5,810,836  5,827,203  5,830,222	U.S. Patent Document	U.S. Patent Document

FOREIGN PATENT DOCUMENTS Date of Publication Pages, Columns, Lines, Foreign Patent Document where relevant of Cited Document Name of Patentee or passages or relevant figures appear Examiner Cite mm-dd-yyyy Applicant of Cited Document Initials KindCode<sup>5</sup> Office<sup>3</sup> Number⁴ No.1

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Signature	Considered	

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······································	Application Number	09/273,646
	Filing Date	March 23, 1999
ION DISCLOSURE	First Named Inventor	Ben-Haim, Shlomo
IT DV ADDLICANT	Group Art Unit	3737
IT BY APPLICANT	Examiner Name	Ruth S. Smith
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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	
Examiner's	Cite	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	T <sup>2</sup>
Initials*	No.1	publisher, city and/or country where published	
		Lee et al., EFFECTS OF LASER IRRADIATION DELIVERED BY FLEXIBLE FIBEROPTIC SYSTEM ON THE LEFT	
		VENTRICULAR INTERNAL MYOCARDIUM, American Heart Journal - BRIEF COMMUNICATIONS, Pgs. 587-590, Sept.	
		1983	
		Mirhoseini, et al. TRANSMYOCARDIAL LASER REVASCULARIZATION: A REVIEW, Journal of Clinical Laser Medicine &	
	•	Surgery, VOL. 11, No. 1, Pgs. 15-19, 1993	
	_	Ben-Shachar, et al., ACUTE CONTINUOUS ARGON-LASER INDUCED TISSUE EFFECTS IN THE ISOLATED CANINE	
		HEART, American Heart Journal, Pgs. 65-70, July 1985	
	ď	Bonn, HIGH-POWER LASERS HELP THE ISCHAEMIC HEART, The Lancet, Vol. 348, Pg. 118, July 13, 1996	
		Isner, et al., LASER PHOTOABLATION OF PATHOLOGICAL ENDOCARDIUM: IN VITRO FINDINGS SUGGESTING A	
		NEW APPROACH TO THE SURGICAL TREATMENT OF REFRACTORY ARRHYTHMIAS AND RESTRICTIVE	
		CARDIOMYOPATHY, The Annals of Thoracic Surgery, Vol. 39, No. 3, Pgs. 201-206, March 1985	
	د	Vincent et al., LASER CATHETER ABLATION OF SIMULATED VENTRICULAR TACHYCARDIA, Lasers in Surgery and	
		Medicine, Vol. 7, Pgs. 421-425, 1987	
		Hindricks, et al., PERKUTANE ENDOCARDIALE Nd-YAG LASERAPPLIKATION: EXPERIMENTELLE	
	٠ .	UNTERSUCHUNGEN ZUR ABLATION VENTRICULAREN MYOKARDS, Zeltschift fur Kardiologie, Pgs. 763-780, 1991 with	
		English Abstract	
	•	Yano, et al., PREVENTION OF ACUTE REGIONAL ISCHEMIA WITH ENDOCARDIAL LASER CHANNELS, The Society of	
		Thoracic Surgeons, Vol. 56, Pgs. 46-53, 1993  Jeevanandam, et al., MYOCARDIAL REVASCULARIZATION BY LASER INDUCED CHANNELS, Surgical Forum:	
		Jeevanandam, et al., MYOCARDIAL REVASCULARIZATION BY LASER INDUCED CHANNELS, Surgical Forum.   Cardiothoracic Surgery, Pgs. 225-227	
		Cardiotribracic Surgery, Fgs. 223-221	
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Examiner Name	Ruth S. Smith
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				U.S. PATENT DOCUMENTS		
U.S. Patent Document			Name of Patentee or Applicant	Date of Publication	Pages, Columns, Lines,	
Examiner Initials	Cite No. <sup>1</sup>	Number (if known) Number Fatelities of Applicant of Cited Document	of Cited Document mm-dd-yyyy	where relevant passages or relevant figures appear		
		5,253,647		Takahashi et al.	10/19/1993	
		5,273,025		Sakiyama et al.	12/28/1993	
		5,295,484		Marcus et al.	03/22/1994	
		5,318,025		Dumoulin et al.	06/07/1994	
		5,443,489		Ben-Haim, Shlomo	08/22/1995	
		5,622,170		Schultz, Waldean A.	04/22/1997	ECENIE
		5,681,260		Ueda et al.	10/28/1997	RI
		5,722,402		Swanson et al.	03/03/1998	1 6 2004
		5,681,260		Ueda et al.	10/28/1997 NOL	PGY CENT
		5,729,129		Acker, David E.	03/17/1998	PGY CENTER R37UU
		5,752,513		Acker et al.	05/19/1998	
		5,755,725		Druais, Herve	05/26/1998	
		5,833,604	B1	Houser et al.	11/10/1998	

#### FOREIGN PATENT DOCUMENTS Pages, Columns, Lines, Date of Publication Foreign Patent Document of Cited Document where relevant Name of Patentee or passages or relevant Examiner Cite mm-dd-yyyy Applicant of Cited Document figures appear Initials Office<sup>3</sup> Number<sup>4</sup> KindCode<sup>5</sup> No.1 90/13259 Α1 Tomtec Tomographic Technologies 11/15/1990 **GMBH** Imperial College of Science, Technology & Medicine 03/05/1992 wo 92/03090 Α1 wo 92/14506 Raychem Corporation 09/03/1992 Α1 wo 93/04628 Α1 Navion Biomedical Corporation 03/18/1993 GB 2267035 Arizona Board of Regents 11/24/1993 93/07808 Α1 04/29/1993 wo Interspec, Inc. 10/28/1993 wo 93/20878 Α1 Cardiorhythm wo 93/24057 Α1 Echocath, Inc. 12/09/1993 02/02/1995 wo 95/02995 Biosense, Inc.

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Application Number 09/273,646

Applicant Shlomo Ben-Haim

Filing Date [Tarch 23, 1999]

Continuation of Serial No.

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	PILING DATE
1	3,644,825	2/72	Davis, Jr., et al.			
<del></del>	3,868,565	2/75	Kuipers	<u> </u>		<u> </u>
	4,017,858	4/77	Kuipers	<u> </u>	ļ	
	4,054,881	10/77	Raab	<b></b>	<b></b>	ļ
	4,173,228	11/79	Van Steenwyk et al.	<del>                                     </del>		ļ
	4,223,228	9/80	Kaplan		PEC	<u></u>
	4,317,078	2/82	Weed et al.		MAS	بريانا
	4,396,885	8/83	Constant	Vico:	MAR 16	400
·	4,422,041	12/83	Lineau	-C4W	O OG C	4004
	4,613,866	9/86	Blood		U	έ
	4,642,786	2/87	Hansen	<u> </u>	<del>-</del>	
					<u> </u>	

#### FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Trans- Lation Yes no
WO 8809515	12/88	PCT			
0038151	10/81	Europe			<del> </del>
WO 9509562	04/95	PCT			

	Breyer et al., Ultrasonically Marked Catheter, A Method for Positive Ecographic Catheter Position and Identification,
	MEDICAL AND BIOLOGICAL ENGINEERING AND COMPUTING, May 1985, pgs. 268-271
	DATE CONSIDERED
EXAMINER: I	nitial if citation considered, whether or not citation is in conformance with MPEP \$ 609; Draw line through not in conformance and not considered. Include copy of this form with next communication to the applicant.

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number BIO-83	Application Number 09/273,646
Applicant Shlomo Ben-Hai	Lm
March 23, 1999	Group Art Unit 3737
Continuation of Serial No.	

### U.S. PATENT DOCUMENTS

		0.0.				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAMB	CLASS	SUBCLASS	PILING DATE
	4,652,820	3/87	Maresca		<u> </u>	
	4,661,773	4/87	Kawakita et al.			
	4,697,595	10/87	Breyer et al.		<u> </u>	-
	4,710,708	12/87	Rorden et al.		ļ	
	4,821,731	4/89	Martinelli et al.		<b>_</b>	
	4,829,250	5/89	Rotier		+R	FGEN
	4,849,692	7/89	Blood		M,	4h / 0
	4,945,305	7/90	Blood		TECHNO	1 6 20
<u></u>	5,042,486	8/91	Pfeiler et al.		TECHNOL	OGY CENTE
	5,047,715	9/91	Morgenstern			
	5,056,517	10/91	Fenici			

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION YBS NO	·
,	0399536	11/90	Europe				
	2094590	9/82	United Kingdom				_
				ļ			
				<u> </u>		<u>ll_</u>	

	Remmel, An Inexpensive Eye Movement Monitor Using the Scleral Search Coil Technique, IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, Vol. BME-31, No. 4, April 1984, pgs. 388-390
EXAMINER	DATE CONSIDERED
EXAMINER: In	itial if citation considered, whether or not citation is in conformance with MPEP \$ 609; Draw line through or conformance and not considered. Include copy of this form with next communication to the applicant.



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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number [:10-83	Application Number 09/273,646	
Applicant Shlomo Ben-Ha:	im	
March 23, 1999	Group Art Unit 3737	
Continuation of Serial No.		

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAMB	CLASS	SUBCLASS	FILING DATE
	5,429,132	7/95	Guy et al.	<del> </del>		
	5,425,367	6/95	Shapiro et al.		1	
	5,231,989	8/93	Middleman et al.	<u> </u>	<u> </u>	<u> </u>
	5,255,684	10/93	Rello			1
	5,397,304	3/95	Truckai		1	
<del></del>	5,373,845	12/94	Gardineer et al.	<u> </u>	│ ₽	EC-
	5,375,596	12/94	Twiss et al.	<u> </u>	- M	
	4,771,788	09/88	Millar			AR 16 2
	5,295,484	03/94	Marcus et al.		IECHNO	LOGY CENT
	5,295,486	03/94	Wollschläger et al.			1
	5,443,489	08/95	Ben-Haim			
	5,558,091	9/96	Acker et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS LATIC YES	
	WO 94/03227	02/94	PCT				
	4238176	05/94	Germany	<u>,                                    </u>		<u> </u>	<del></del>
-	2155736	09/85	United Kingdom				ļ
1	567,187	06/15/93	Europe		<u> </u>	-	
	2,197,078	10/23/87	United Kingdom		<u> </u>	<u></u>	<u> </u>

	DATE CONSIDERED	
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Mimher BIO-83	Application Number 09/273,646
Applicant Shlomo Ben-Hai	m
March 23, 1999	Group Art Unit 3737
Continuation of Serial No.	

### U.S. PATENT DOCUMENTS

	U.B. FAILMI DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAMB	CLASS	SUBCLASS	PILING DATE	
	5,062,151	10/91	Shipley		ļ	<b></b>	
	5,070,462	12/91	Chau	<u> </u>	<u> </u>	<u> </u>	
	5,109,194	4/92	Cantaloube			<u> </u>	
	5,117,181	5/92	Clergeot et al.		<u> </u>	ļ	
	5,168,222	12/92	Volsin et al.		ļ	<u> </u>	
	5,172,056	12/92	Volsin			<del>-</del>	
	5,211,165	5/93	Dumoulin et al.		350	THE	
	5,218,174	6/93	Gray et al.		MAR 1	6 2004	
	5,276,430	1/94	Granovsky	TEC	1	- 1 - 004	
	5,341,807	8/94	Nardella		HVOLOGY C	EVTER R3	
	5,186,174	2/93	Schlondorff et al.				

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION YES NO	
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